opening and having a width dimension that is substantially less than the length dimension of the sensor element, and

a measuring device for detecting the position of the sensor element.

18. (New) A flotation cell according to claim 17, wherein the measuring device is an angle transmitter.

19. (New) A flotation cell according to claim 17, wherein the sensor element is mounted to said structure in a manner allowing angular movement of the sensor element relative to said structure and the measuring device is an angle transmitter.

20. (New) A flotation cell according to claim 17, wherein the flow measuring arrangement includes a horizontal shaft that is pivotally mounted to said structure and the sensor element is attached to the horizontal shaft.

21. (New) A flotation cell according to claim 17, wherein the flow measuring arrangement includes a horizontal shaft that is mounted to said structure and the sensor element is attached to the horizontal shaft.

22. (New) A flotation cell according to claim 17, wherein the flow measuring arrangement includes a horizontal shaft that is pivotally mounted to said structure above the outlet opening, the sensor element is attached to the horizontal shaft and extends downwards therefrom, and the measuring device is an angle transmitter.

23. (New) A flotation cell according to claim 17, wherein the flow measuring arrangement includes a horizontal shaft that is mounted to said structure and extends transversely of the flow direction of concentrate through the outlet opening.

24. (New) A flotation cell according to claim 17, including a control system and wherein the flow measuring arrangement is connected to the control system.

25. (New) A flotation cell according to claim 17, wherein the flow measuring arrangement includes a display unit.

26. (New) A flotation cell according to claim 17, wherein said structure is a drain chute.

27. (New) A flotation cell according to claim 26, wherein the flotation cell also includes a collecting pipe into which the concentrate from the drain chute is discharged, and the sensor element is disposed at least partly in the collecting pipe.

28. (New) A flotation cell according to claim 17, wherein the flow measuring arrangement includes a calibration means.

29. (New) A flotation cell according to claim 28, wherein the calibration means includes a movable weight element attached to the sensor element.

30. (New) A flotation cell according to claim 17, wherein the flow measuring arrangement includes a horizontal shaft that is pivotally mounted to said structure above the outlet opening, the sensor element is a rod that is attached to the horizontal shaft and extends downwards therefrom, and the measuring device is an angle transmitter for measuring deflection of the sensor element.